

WHAT IS CLAIMED IS:

1. A system for contents distribution comprising:

a distribution station which distributes contents to
a plurality of reception stations through wireless
communication channels, wherein

said distribution station allocates, in response to
distribution request for the contents from said reception
stations, a broadcast channel for simultaneous distribution
to all the contents reception stations, or an occupied
channel individually set for each reception station as
channels used for distribution of the contents to said
reception station performing distribution request for the
contents, according to the total number of other contents
reception stations receiving the distribution of the
contents.

2. The system for contents distribution according to
claim 1, wherein said distribution station allocates a
broadcast channel for simultaneous distribution to all the
reception stations, or an occupied channel individually set
for each reception station to each of said reception stations
as channel used for distribution of the contents according
to the total number of reception stations receiving the
distribution of the same contents.

3. The system for contents distribution according to claim 2, wherein said distribution station allocates individual occupied channels respectively to reception stations performing distribution request for the contents, and to said other contents receiving stations, as channels used for contents distribution, when the total number of other reception stations receiving the distribution of the same contents as the contents to be distributed is equal to or less than a predetermined lower limit value.

4. The system for contents distribution according to claim 2, wherein, when the total number of other reception stations receiving the distribution of the same contents as the contents to be distributed is equal to or larger than a predetermined upper limit value, said distribution station allocates the same broadcast channel to reception stations performing distribution request for the contents, and to said other contents receiving stations as channels used for contents distribution.

5. The system for contents distribution according to claim 1, wherein said distribution station previously sets individual wireless communication channels respectively to all the reception stations, and notifies information on distribution such as said allocated channels, starting times

for contents distribution, contents numbers for distribution, and so on to reception stations receiving the distribution of the contents, using said wireless communication channels.

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6. The system for contents distribution according to claim 5, wherein said reception stations receive notification of said information on distribution, and set said allocated channels as channels receiving the
10 distribution of the contents corresponding to the contents numbers; and receive the contents using said set channels when it reaches the starting time for the contents distribution.

15 7. A method of distributing contents from a distribution station to a plurality of reception stations through wireless communication channels, the method comprising the steps of:

said distribution stations receiving a request for distribution of contents from said reception stations;

20 said distribution station acquiring a total number of reception stations, other the reception station that had made the request, receiving the distribution of the same contents; and

said distribution station allocating a broadcast
25 channel through which it is possible to simultaneously

distributed the contents to all the reception stations, or
a channel provided individually for each reception stations,
as a channel used for distribution of the contents to said
reception station that had made the request, based on
5 acquired total number of other reception stations.

8. The method for contents distribution according to
claim 7 further comprising a second channel allocation step
where said distribution station allocates a broadcast
10 channel for simultaneous distribution to all the reception
stations, or occupied channels individually set
respectively to reception stations included in said total
number of the reception stations, according to said total
number.

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9. The method for contents distribution according to
claim 8, wherein the two channel allocation steps allocate
individual occupied channels respectively to reception
stations performing distribution request of the contents,
20 and to other reception stations receiving the distribution
of the same contents as the contents to be distributed, when
said total number of the reception stations is equal to or
less than a predetermined lower limit value.

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10. The method for contents distribution according to claim 8, wherein the two channel allocation steps allocate the same broadcast channels to the reception stations performing distribution request of the contents, and to other
5 reception stations receiving the same contents as the contents to be distributed, when said total number of the reception stations is equal to or larger than a predetermined upper limit value.

10 11. The method for contents distribution according to claim 7 further comprising a distribution information notification step where said distribution station notifies information on distribution such as the allocated channels, starting times for contents distribution, contents numbers
15 for distribution, and so on to reception stations receiving the contents distribution, using individual wireless communication channels previously set for all the reception stations.

20 12. The method for contents distribution according to claim 11, further comprising the steps of,

said reception stations receiving notification of said information on distribution;

said reception stations setting the allocated channels
25 as channels receiving the distribution of the contents

corresponding to the contents numbers; and

said reception stations receiving the contents, using the set channels, when it reaches the starting time for the contents distribution.

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13. A system for contents distribution comprising:

a plurality of reception stations which receive contents; and

a distribution station which distributes contents to
10 the reception stations, through wireless communication channels, in response to a request for distribution of the contents from said reception stations, said distribution station including,

a request receiving unit which receives the
15 request from a reception station;

a number of reception stations acquiring unit
which acquires a total number of reception stations that
are currently receiving the contents when said request
receiving unit receives the request from said reception
20 station; and

a channel allocation unit which allocates a
broadcast channel to said reception station that had made
the request based on the total number of reception stations
that are currently receiving the contents, wherein said
25 channel allocation unit may allocate a broadcast channel

through which contents can be distributed simultaneously to all the reception stations, or may allocate a channel which is provided only for said reception station that had made the request.

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